

## EAST Search History

| Ref # | Hits | Search Query  | DBs                | Default Operator | Plurals | Time Stamp       |
|-------|------|---|--------------------|------------------|---------|------------------|
| L1    | 1    | "6,157,719".pn.   | US-PGPUB;<br>USPAT | OR               | ON      | 2007/05/08 15:07 |
| L2    | 1    | "6157719".pn. and (hash\$ mac message adj authenticat\$)  | US-PGPUB;<br>USPAT | OR               | ON      | 2007/05/08 15:16 |
| L3    | 148  | ("4423287" "4578530" "5313521" "4964164" "5867579"<br>"6128605" "5214698" "6002772" "6076077" "5265164"<br>"5646999" "5740246" "5949884" "5953419" "6065119"<br>"6097818" "6154541" "6182218" "6230002" "4797920"<br>"5027395" "5237612" "5319710" "5365589" "5481610"<br>"5485519" "5517567" "5631961" "5748735" "5778102"<br>"5796830" "5805706" "5987133" "6011849" "6076167"<br>"6088800" "6125183" "6144743" "6192129" "6243470"<br>"4283599" "4288659" "4315101" "4351982" "4588991"<br>"4633036" "4811392" "4949379" "5179591" "5193115"<br>"5214700" "5224166" "5230020" "5237610" "5241598"<br>"5329623" "5341427" "5412729" "5428685" "5475757"<br>"5481613" "5539827" "5557679" "5608800" "5623637"<br>"5668877" "5696826" "5724428" "5751805" "5768390"<br>"5781635" "5787175" "5793871" "5799086" "5815573"<br>"5841865" "5848161" "5848158" "5850451" "5857022"<br>"5864683" "5872849" "5878135" "5917910" "5920630"<br>"5931947" "5933501" "5937066" "5956408" "5963646"<br>"5974141" "5978918" "5982899" "5999628" "6009177"<br>"6028938" "6052469" "6058189" "6061454" "6061454"<br>"6072876" "6081794" "6151677" "6154543" "6157720"<br>"6167515" "6185316" "6219421" "6219421" "6233338"<br>"6249866" "20060215839" "4295039" "4302810" "4306111"<br>"4314097" "4322576" "4369332" "4386266" "4438824"<br>"4453074" "4500750" "4520232" "4590470" "4803726"<br>"4825050" "4853884" "4864615" "4882779" "4888798"<br>"4914697" "4926475" "4965568" "4972472" "4997288"<br>"5001754" "5008935" "5008936" "5010573" "5016277"<br>"5022076" "5200999" "5202921" "5208853" "5228084"<br>"5285497" "5295188" "5319705" "5321749" "5323464" ).pn. | US-PGPUB;<br>USPAT | OR               | ON      | 2007/05/08 15:17 |
| L4    | 510  | 380/37.ccls.  | US-PGPUB;<br>USPAT | OR               | ON      | 2007/05/08 15:17 |
| L5    | 651  | 713/150.ccls.   | US-PGPUB;<br>USPAT | OR               | ON      | 2007/05/08 15:18 |
| S1    | 99   | ("5016277" "5748744" "5995623" "5058164" "5455862"<br>"5594793" "5642421" "6384711" "6526010" "6851369"<br>"5867579" "6128605" "5517567" "6154840" "6192129"<br>"6243470" "4351982" "4811392" "5224166" "5623637"<br>"5696826" "5724427" "5848161" "5974141" "6072876"<br>"6219421" "6219421" "4438824" "4803726" "4825050"<br>"4882779" "4997288" "5008935" "5008936" "5022076"<br>"5321749" "5365588" "5381480" "5398283" "5410602"<br>"5420577" "5425103" "5442699" "5535277" "5541994"<br>"5592553" "5619576" "5661807" "5680460" "5708710").pn.<br>("5717760" "5818933" "5832091" "5870474" "5915025"<br>"6026165" "6081600" "6084969" "6088449" "6094487"<br>"6105131" "6118872" "6148405" "6167137" "6170744"<br>"6182217" "6240514" "6259790" "3798360" "4278837"<br>"4458109" "4465901" "4562305" "4593353" "4605820"<br>"4776011" "4791565" "4802217" "4803725" "4813912"<br>"4858138" "4864616" "4882752" "4887296" "4907275"<br>"4910776" "4933969" "4935961" "4937867" "5010571"<br>"5014314" "5022080" "5185794" "5204902" "5208859"<br>"5243652" "5247576" "5249227" "5267312" "5319712").pn.  | US-PGPUB;<br>USPAT | OR               | ON      | 2005/05/13 09:01 |
| S2    | 1    | "5724428".pn.   | US-PGPUB;<br>USPAT | OR               | ON      | 2005/05/13 08:31 |
| S3    | 6738 | hash\$8 adj function  | US-PGPUB;<br>USPAT | OR               | ON      | 2005/05/13 09:01 |
| S4    | 3121 | hash\$8 adj function  | USPAT              | OR               | ON      | 2005/05/13 09:01 |
| S5    | 1196 | hash\$8 adj function and ("713"/\$.ccls. or "380"/\$.ccls.)   | USPAT              | OR               | ON      | 2005/05/13 09:02 |
| S6    | 992  | (encryption or decryption) and hash\$8 adj function and ("713"/\$.ccls. or "380"/\$.ccls.)  | USPAT              | OR               | ON      | 2005/05/13 09:02 |

## EAST Search History

|     |       |  |                            |    |    |                  |
|-----|-------|--|----------------------------|----|----|------------------|
| S7  | 560   | (encryption or decryption) and hash\$8 adj function and ("713"/\$.ccls. or "380"/\$.ccls.) and (@py>"1990" and @py<"2002")   | USPAT                      | OR | ON | 2005/05/13 09:10 |
| S8  | 123   | EEPROM and (encryption or decryption) and hash\$8 adj function and ("713"/\$.ccls. or "380"/\$.ccls.)  | USPAT                      | OR | ON | 2005/05/13 09:10 |
| S9  | 114   | (encryption or decryption or cryptog\$8) same table same hash\$8 adj function  | US-PGPUB;<br>USPAT         | OR | ON | 2005/05/13 09:48 |
| S10 | 8621  | encrypt\$6 with data and transmit\$6 with data and decrypt\$6 with data  | US-PGPUB;<br>USPAT         | OR | ON | 2005/05/13 10:06 |
| S11 | 1473  | encrypt\$6 adj data and transmit\$6 adj data and decrypt\$6 adj data   | US-PGPUB;<br>USPAT         | OR | ON | 2005/05/13 10:06 |
| S12 | 475   | encrypt\$6 adj data same transmit\$6 adj data and decrypt\$6 adj data  | US-PGPUB;<br>USPAT         | OR | ON | 2005/05/13 10:06 |
| S13 | 145   | encrypt\$6 adj data same transmit\$6 adj data same decrypt\$6 adj data   | US-PGPUB;<br>USPAT         | OR | ON | 2005/05/13 10:20 |
| S14 | 22907 | (encrypt\$6 or decrypt\$6 or crypto\$8) and (processor or semiconductor or chip) and unit and transmit\$6 and data   | US-PGPUB;<br>USPAT         | OR | ON | 2005/05/13 10:21 |
| S15 | 7562  | (encrypt\$6 or decrypt\$6 or crypto\$8) same (processor or semiconductor or chip) and unit and transmit\$6 and data  | US-PGPUB;<br>USPAT         | OR | ON | 2005/05/13 10:21 |
| S16 | 2238  | (encrypt\$6 or decrypt\$6 or crypto\$8) same (processor or semiconductor or chip) same unit and transmit\$6 and data   | US-PGPUB;<br>USPAT         | OR | ON | 2005/05/13 10:21 |
| S17 | 672   | (encrypt\$6 or decrypt\$6 or crypto\$8) same (processor or semiconductor or chip) same unit same transmit\$6 and data  | US-PGPUB;<br>USPAT         | OR | ON | 2005/05/13 10:21 |
| S18 | 484   | (encrypt\$6 or decrypt\$6 or crypto\$8) same (processor or semiconductor or chip) same unit same transmit\$6 same data   | US-PGPUB;<br>USPAT         | OR | ON | 2005/05/13 10:21 |
| S19 | 263   | (encrypt\$6 or decrypt\$6 or crypto\$8) same (processor or semiconductor or chip) same unit same transmit\$6 same data   | USPAT                      | OR | ON | 2005/05/13 10:22 |
| S20 | 133   | (encrypt\$6 or decrypt\$6 or crypto\$8) same (processor or semiconductor or chip) same unit same transmit\$6 same data and ("713"/\$.ccls. or "380"/\$.ccls.)                                  | USPAT                      | OR | ON | 2005/05/13 10:36 |
| S21 | 146   | (encrypt\$6 or decrypt\$6 or crypto\$8) same (processor smart adj card or semiconductor or chip) same unit same transmit\$6 same data and ("713"/\$.ccls. or "380"/\$.ccls.)                   | USPAT                      | OR | ON | 2005/05/13 10:40 |
| S22 | 28    | (encrypt\$6 or decrypt\$6 or crypto\$8) same (processor smart adj card or semiconductor or chip) same unit same transmit\$6 same data and ("713"/\$.ccls. or "380"/\$.ccls.) and data adj line | USPAT                      | OR | ON | 2005/05/13 10:43 |
| S23 | 0     | program same decryption same table same hash\$8 adj function   | USPAT                      | OR | ON | 2005/05/13 10:43 |
| S24 | 9     | decryption same table same hash\$8 adj function  | USPAT                      | OR | ON | 2005/05/13 10:46 |
| S25 | 4     | hurich.in.   | USPAT                      | OR | ON | 2005/05/13 10:47 |
| S26 | 26    | hurich.in.   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2005/05/13 10:56 |
| S27 | 418   | cryptographic adj processor  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2005/05/13 10:59 |
| S28 | 153   | cryptographic adj processor  | USPAT                      | OR | ON | 2005/05/13 10:59 |
| S29 | 19    | cryptographic adj processor and control adj unit   | USPAT                      | OR | ON | 2005/05/13 10:59 |
| S30 | 1     | "5696827".pn. and (hash\$6 or table)   | US-PGPUB;<br>USPAT         | OR | ON | 2005/05/13 11:06 |
| S31 | 1     | "5455862".pn. and (hash\$6 or table)   | US-PGPUB;<br>USPAT         | OR | ON | 2005/05/13 11:08 |
| S32 | 1     | "5995623".pn. and (hash\$6 or table)   | US-PGPUB;<br>USPAT         | OR | ON | 2005/05/13 12:21 |
| S33 | 15587 | smart adj card   | US-PGPUB;<br>USPAT         | OR | ON | 2005/05/13 11:37 |
| S34 | 6665  | smart adj card and (decryption or encryption on crypto\$8)   | US-PGPUB;<br>USPAT         | OR | ON | 2005/05/13 11:37 |
| S35 | 601   | smart adj card and (decryption or encryption on crypto\$8) and table and hash\$6 adj function  | US-PGPUB;<br>USPAT         | OR | ON | 2005/05/13 11:38 |

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|     |        |   |                        |    |    |                  |
|-----|--------|---|------------------------|----|----|------------------|
| S36 | 363    | smart adj card and (decryption or encryption on crypto\$8) and table and hash\$6 adj function and ("713"/\$.ccls. or "380"/\$.ccls. )   | US-PGPUB; USPAT        | OR | ON | 2005/05/13 11:38 |
| S37 | 167    | smart adj card and (decryption or encryption on crypto\$8) and table and hash\$6 adj function and ("713"/\$.ccls. or "380"/\$.ccls. )   | USPAT                  | OR | ON | 2005/05/13 11:48 |
| S38 | 8      | cryptogra\$7.ti. and processor.ti.  | USPAT                  | OR | ON | 2005/05/13 11:48 |
| S39 | 1      | "5995623".pn. and (transmi\$8)  | US-PGPUB; USPAT        | OR | ON | 2005/05/13 13:24 |
| S40 | 447    | programming adj unit and control adj unit and coupled   | US-PGPUB; USPAT        | OR | ON | 2005/05/13 12:25 |
| S41 | 47     | programming adj unit same control adj unit same coupled   | US-PGPUB; USPAT        | OR | ON | 2005/05/13 12:25 |
| S42 | 6      | ("4517663"   "5802551"   "5878256"   "5964813"   "5978808"   "6125424").PN. OR ("6546455").URPN.  | US-PGPUB; USPAT; USOCR | OR | ON | 2005/05/13 13:08 |
| S43 | 2813   | unit same (encryption and decryption)   | US-PGPUB; USPAT; USOCR | OR | ON | 2005/05/13 13:08 |
| S44 | 2811   | unit same (encryption and decryption)   | US-PGPUB; USPAT        | OR | ON | 2005/05/13 13:08 |
| S45 | 4506   | unit same (encrypt\$5 and decrypt\$5)   | US-PGPUB; USPAT        | OR | ON | 2005/05/13 13:08 |
| S46 | 1586   | unit same (encrypt\$5 and decrypt\$5) same transmit\$6  | US-PGPUB; USPAT        | OR | ON | 2005/05/13 13:09 |
| S47 | 905    | unit same (encrypt\$5 and decrypt\$5) same transmit\$6 and ("713"/\$.ccls. or "380"/\$.ccls.)   | US-PGPUB; USPAT        | OR | ON | 2005/05/13 13:09 |
| S48 | 247    | unit same (encrypt\$5 and decrypt\$5) same transmit\$6 and ("713"/\$.ccls. or "380"/\$.ccls.) and (symmetric or asymmetric or public\$1key)   | US-PGPUB; USPAT        | OR | ON | 2005/05/13 13:10 |
| S49 | 97     | unit same (encrypt\$5 and decrypt\$5) same transmit\$6 and ("713"/\$.ccls. or "380"/\$.ccls.) and (symmetric or asymmetric or public\$1key) and (hash\$5 adj function)  | US-PGPUB; USPAT        | OR | ON | 2005/05/13 13:10 |
| S50 | 2224   | circuit with encryption   | US-PGPUB; USPAT        | OR | ON | 2005/05/13 13:33 |
| S51 | 453260 | circuit with encryptionwith key   | US-PGPUB; USPAT        | OR | ON | 2005/05/13 13:33 |
| S52 | 951    | circuit with encryption with key  | US-PGPUB; USPAT        | OR | ON | 2005/05/13 13:33 |
| S53 | 462    | circuit with encryption with key  | USPAT                  | OR | ON | 2005/05/13 13:33 |
| S54 | 36     | circuit with encryption with key with electronic  | USPAT                  | OR | ON | 2005/05/13 13:33 |
| S55 | 6      | key with implement\$4 with electronic adj circuit   | US-PGPUB; USPAT        | OR | ON | 2005/05/13 13:48 |
| S56 | 719    | key with electronic adj circuit   | US-PGPUB; USPAT        | OR | ON | 2005/05/13 13:48 |
| S57 | 574    | key with electronic adj circuit   | USPAT                  | OR | ON | 2005/05/13 13:48 |
| S58 | 27     | key with electronic adj circuit and ("713"/\$.ccls. or "380"/\$.ccls.)  | USPAT                  | OR | ON | 2005/05/13 13:49 |
| S59 | 14     | key.detd. with electronic adj circuit and ("713"/\$.ccls. or "380"/\$.ccls.)  | USPAT                  | OR | ON | 2005/05/13 13:52 |
| S60 | 849    | encryption with key same circuit  | USPAT                  | OR | ON | 2005/05/13 13:52 |
| S61 | 539    | encryption with key same circuit and ("713"/\$.ccls. or "380"/\$.ccls.)   | USPAT                  | OR | ON | 2005/05/13 13:52 |
| S62 | 418    | encryption.detd. with key same circuit and ("713"/\$.ccls. or "380"/\$.ccls.)   | USPAT                  | OR | ON | 2005/05/13 13:52 |
| S63 | 17     | (US-20020154779-\$).did. or (US-5455862-\$ or US-6295604-\$ or US-5696827-\$ or US-6457126-\$ or US-5623637-\$ or US-4907275-\$ or US-6292880-\$ or US-6014444-\$ or US-5805706-\$ or US-5455863-\$ or US-6820203-\$ or US-6466048-\$ or US-6684334-\$ or US-6708273-\$ or US-6367017-\$ or US-6215875-\$).did. | US-PGPUB; USPAT        | OR | ON | 2005/05/13 14:07 |

## EAST Search History

|     |       |   |                    |    |    |                  |
|-----|-------|---|--------------------|----|----|------------------|
| S64 | 57314 | computer adj program.clm.   | US-PGPUB;<br>USPAT | OR | ON | 2006/02/14 16:07 |
| S65 | 12395 | computer adj program.clm. with program adj code   | US-PGPUB;<br>USPAT | OR | ON | 2006/02/14 16:08 |
| S66 | 10822 | computer adj program.clm. with program adj code with comprising   | US-PGPUB;<br>USPAT | OR | ON | 2006/02/14 16:08 |
| S67 | 395   | computer adj program.clm. with program adj code with comprising with execution  | US-PGPUB;<br>USPAT | OR | ON | 2006/02/14 16:08 |
| S68 | 269   | computer adj program.clm. with program adj code with comprising with execution  | US-PGPUB           | OR | ON | 2006/02/14 16:08 |
| S69 | 507   | byte-wise   | US-PGPUB;<br>USPAT | OR | ON | 2006/02/16 09:02 |
| S70 | 3     | byte-wise with allocation   | US-PGPUB;<br>USPAT | OR | ON | 2006/02/16 09:03 |
| S71 | 1572  | byte with allocation  | US-PGPUB;<br>USPAT | OR | ON | 2006/02/16 09:06 |
| S72 | 507   | byte-wise   | US-PGPUB;<br>USPAT | OR | ON | 2006/02/16 09:16 |
| S73 | 1     | "5995623".pn. and hash\$  | US-PGPUB;<br>USPAT | OR | ON | 2006/02/16 09:18 |
| S74 | 1     | "5995623".pn. and (complete whole all)  | US-PGPUB;<br>USPAT | OR | ON | 2006/02/16 09:19 |
| S75 | 1     | "5995623".pn. and (stream)  | US-PGPUB;<br>USPAT | OR | ON | 2006/02/16 09:54 |
| S76 | 102   | stream with encryption same hash\$  | US-PGPUB;<br>USPAT | OR | ON | 2006/02/16 09:55 |
| S77 | 7     | ("5995623").URPN.   | USPAT              | OR | ON | 2006/02/16 11:39 |
| S78 | 235   | 713/150.ccls.   | USPAT              | OR | ON | 2006/02/16 11:55 |
| S79 | 23    | ("20020154779" "4907275" "4987595" "5455862" "5455863" "5623637" "5666415" "5696827" "5805706" "5943421" "5995623" "6014444" "6182217" "6215875" "6292880" "6295604" "6367017" "6457126" "6466048" "6684334" "6704871" "6708273" "6820203").PN.   | US-PGPUB;<br>USPAT | OR | ON | 2006/02/16 11:55 |
| S80 | 42    | (US-20020154779-\$ or US-20010034835-\$ or US-20010046299-\$ or US-20030142821-\$ or US-20020120838-\$ or US-20020025045-\$ or US-20020085710-\$ or US-20020034300-\$ or US-20020097868-\$).did. or (US-4907275-\$ or US-6820203-\$ or US-6292880-\$ or US-6708273-\$ or US-6457126-\$ or US-6014444-\$ or US-5696827-\$ or US-6367017-\$ or US-5623637-\$ or US-5805706-\$ or US-5455863-\$ or US-6215875-\$ or US-5455862-\$ or US-6295604-\$ or US-6466048-\$ or US-6684334-\$ or US-6516412-\$ or US-6252964-\$ or US-6157719-\$ or US-6704871-\$ or US-6125182-\$ or US-6405315-\$ or US-6595856-\$ or US-6424717-\$ or US-5832087-\$ or US-4405829-\$).did. or (US-6041409-\$ or US-5103479-\$ or US-5068895-\$ or US-6125186-\$ or US-6351536-\$ or US-6430246-\$ or US-6167514-\$).did. | US-PGPUB;<br>USPAT | OR | ON | 2006/02/16 11:55 |
| S81 | 24    | S80 not S79   | US-PGPUB;<br>USPAT | OR | ON | 2006/02/16 11:56 |
| S82 | 24    | (US-20010034835-\$ or US-20020120838-\$ or US-20030142821-\$ or US-20020097868-\$ or US-20020085710-\$ or US-20010046299-\$ or US-20020025045-\$ or US-20020034300-\$).did. or (US-6405315-\$ or US-6041409-\$ or US-6516412-\$ or US-6167514-\$ or US-6595856-\$ or US-6351536-\$ or US-4405829-\$ or US-6125186-\$ or US-5832087-\$ or US-6252964-\$ or US-6125182-\$ or US-5103479-\$ or US-5068895-\$ or US-6424717-\$ or US-6157719-\$ or US-6430246-\$).did.  | US-PGPUB;<br>USPAT | OR | ON | 2006/02/16 11:56 |

# EAST Search History

|     |     |   |                    |    |    |                  |
|-----|-----|---|--------------------|----|----|------------------|
| S83 | 100 | ("5016277" "5748744" "5594793" "6384711" "6851369" "5541994" "5680460" "5832091" "6026165" "6105131" "6167137" "4791565" "5058164" "5243652" "5351296" "5432851" "5477263" "5583933" "5594492" "5675534" "5732133" "5742683" "5745555" "5745574" "5778072" "5799083" "5818930" "5818738" "5825891" "5825884" "5825871" "5844218" "5963909" "5970142" "5999629" "6055636" "6101605" "6118869" "6253193" "6266413" "6266551" "6351814" "6363488" "6370411" "6389402" "6427140" "6523119" "6577735" "6711683" "6853727").pn. ("5867579" "6128605" "5517567" "4811392" "5224166" "5623637" "5848161" "6072876" "4438824" "4803726" "4825050" "4882779" "4997288" "5008936" "5022076" "5321749" "5381480" "5398283" "5410602" "5420577" "5535277" "5708710" "5818933" "5870474" "5915025" "5995623" "6081600" "6084969" "6094487" "6118872" "6170744" "6182217" "6240514" "6259790" "3798360" "4458109" "4562305" "4605820" "4802217" "4803725" "4813912" "4858138" "4882752" "4887296" "4933969" "4937867" "5010571" "5014314" "5022080" "5185794").pn. | US-PGPUB;<br>USPAT | OR | ON | 2006/02/16 12:00 |
| S84 | 708 | stream same hash\$ same key   | US-PGPUB;<br>USPAT | OR | ON | 2006/11/11 17:20 |
| S85 | 43  | stream same hash\$ same key and (first adj key and second adj key)  | US-PGPUB;<br>USPAT | OR | ON | 2006/11/11 17:33 |
| S86 | 53  | message adj authentication adj code with stream   | US-PGPUB;<br>USPAT | OR | ON | 2006/11/11 17:44 |
| S87 | 43  | (US-20020154779-\$ or US-20030142821-\$ or US-20020097868-\$ or US-20020034300-\$ or US-20020025045-\$ or US-20010034835-\$ or US-20020120838-\$ or US-20020085710-\$ or US-20010046299-\$).did. or (US-6295604-\$ or US-4907275-\$ or US-5455862-\$ or US-5594793-\$ or US-5623637-\$ or US-6157719-\$ or US-5696827-\$ or US-6252964-\$ or US-6424717-\$ or US-6820203-\$ or US-6708273-\$ or US-6704871-\$ or US-6457126-\$ or US-6292880-\$ or US-6167514-\$ or US-6014444-\$ or US-6215875-\$ or US-5805706-\$ or US-5455863-\$ or US-6367017-\$ or US-6516412-\$ or US-6466048-\$ or US-6684334-\$ or US-6405315-\$ or US-6125182-\$ or US-6595856-\$).did. or (US-6041409-\$ or US-5068895-\$ or US-5832087-\$ or US-6430246-\$ or US-6351536-\$ or US-6125186-\$ or US-4405829-\$ or US-5103479-\$).did.  | US-PGPUB;<br>USPAT | OR | ON | 2006/11/11 17:37 |
| S88 | 49  | message adj authentication adj code same stream same key same (public symmetric asymmetric)   | US-PGPUB;<br>USPAT | OR | ON | 2006/11/11 20:57 |
| S89 | 599 | 713/150.ccls.   | US-PGPUB;<br>USPAT | OR | ON | 2006/11/11 18:08 |
| S90 | 893 | keyed with hash   | US-PGPUB;<br>USPAT | OR | ON | 2006/11/11 18:13 |
| S91 | 82  | keyed with hash and (first adj key same second adj key)   | US-PGPUB;<br>USPAT | OR | ON | 2006/11/11 18:13 |
| S92 | 1   | "5995623".pn. and (stream block)  | US-PGPUB;<br>USPAT | OR | ON | 2006/11/11 21:22 |
| S93 | 44  | ("20010034835" "20010046299" "20020025045" "20020034300" "20020085710" "20020097868" "20020120838" "20020154779" "20030142821" "4907275" "4987595" "4987595" "5103479" "5455862" "5455863" "5623637" "5666415" "5696827" "5805706" "5943421" "5995623" "6014444" "6041409" "6125182" "6125186" "6157719" "6167514" "6182217" "6215875" "6252964" "6292880" "6295604" "6351536" "6367017" "6405315" "6424717" "6430246" "6457126" "6466048" "6516412" "6595856" "6684334" "6704871" "6708273" "6820203").PN.   | US-PGPUB;<br>USPAT | OR | ON | 2006/11/11 21:22 |
| S94 | 4   | (US-6526508-\$ or US-6785816-\$ or US-6157719-\$ or US-6105134-\$).did.   | USPAT              | OR | ON | 2006/11/11 21:22 |

## EAST Search History

|          |    |   |                    |    |    |                  |
|----------|----|---|--------------------|----|----|------------------|
| S95      | 24 | (US-20010046299-\$ or US-20030142821-\$ or US-20020085710-\$ or US-20010034835-\$ or US-20020097868-\$ or US-20020025045-\$ or US-20020120838-\$ or US-20020034300-\$).did. or (US-6516412-\$ or US-6430246-\$ or US-6424717-\$ or US-6405315-\$ or US-6351536-\$ or US-6252964-\$ or US-6595856-\$ or US-6125182-\$ or US-6041409-\$ or US-5832087-\$ or US-5103479-\$ or US-6167514-\$ or US-6157719-\$ or US-4405829-\$ or US-6125186-\$ or US-5068895-\$).did.  | US-PGPUB;<br>USPAT | OR | ON | 2006/11/11 21:22 |
| S96      | 3  | S95 not S93   | US-PGPUB;<br>USPAT | OR | ON | 2006/11/11 21:23 |
| S97      | 3  | (US-4405829-\$ or US-5068895-\$ or US-5832087-\$).did.  | USPAT              | OR | ON | 2006/11/11 21:23 |
| S98      | 3  | S94 not S93   | US-PGPUB;<br>USPAT | OR | ON | 2006/11/11 21:23 |
| S99      | 3  | S97 not S98   | US-PGPUB;<br>USPAT | OR | ON | 2006/11/11 21:23 |
| S10<br>0 | 3  | (US-6105134-\$ or US-6526508-\$ or US-6785816-\$).did.  | USPAT              | OR | ON | 2006/11/11 21:24 |
| S10<br>1 | 6  | (US-6105134-\$ or US-6526508-\$ or US-6785816-\$).did.<br>(US-4405829-\$ or US-5068895-\$ or US-5832087-\$).did.  | USPAT              | OR | ON | 2006/11/11 21:27 |
| S10<br>2 | 49 | ("20010034835" "20010046299" "20020025045" "20020034300" "20020085710" "20020097868" "20020120838" "20030142821" "4405829" "4907275" "4987595" "4987595" "5068895" "5103479" "5455862" "5455863" "5623637" "5666415" "5696827" "5805706" "5832087" "5943421" "5995623" "6014444" "6041409" "6105134" "6105134" "6125182" "6125186" "6157719" "6167514" "6182217" "6215875" "6252964" "6292880" "6295604" "6351536" "6367017" "6405315" "6424717" "6430246" "6457126" "6466048" "6516412" "6526508" "6595856" "6684334" "6704871" "6708273" "6785816" "6820203").PN. | US-PGPUB;<br>USPAT | OR | ON | 2006/11/11 21:37 |